AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF	PAGES
	1		1

2. AMENDMENT/MODIFICATION NUMBER	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQUISITION NUMBER	5. PROJECT NUMBER *(If applicable)*
001	See Item 16C.	PR9760257	

6. ISSUED BY	CODE	7. ADMINISTERED BY *(If other than Item 6)*	CODE
Procurement Unit U.S. Consulate Fukuoka Ohori 2-5-26, Chuo-ku, Fukuoka City, Fukuoka, ZIP810-0052 Japan		See Item 6.	

8. NAME AND ADDRESS OF CONTRACTOR *(Number, street, county, State and ZIP Code)*	(X)	9A. AMENDMENT OF SOLICITATION NUMBER
	☒	19JA25-21-Q-0061
		9B. DATED *(SEE ITEM 11)* 03/18/2021
	☐	10A. MODIFICATION OF CONTRACT/ORDER NUMBER
		10B. DATED *(SEE ITEM 13)*
CODE / FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☒ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended. ☒ is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or electronic communication which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter or electronic communication, provided each letter or electronic communication makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA *(If required)*
n/a

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NUMBER AS DESCRIBED IN ITEM 14.

CHECK ONE	
☐	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NUMBER IN ITEM 10A.
☐	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office, appropriation data, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
☐	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
☐	D. OTHER *(Specify type of modification and authority)*

E. IMPORTANT: Contractor ☐ is not ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (*Organized by UCF section headings, including solicitation/contract subject matter where feasible.)*

Request for Quotations (RFQ) 19JA25-21-Q-0061 is hereby amended to reflect changes in the following pages, effective the date of the Contracting Officer's signature.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER *(Type or print)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
		Andrew T. Staples Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		*(Signature of Contracting Officer)*	3/30/2021

Table of Contents

1. GENERAL

1.1. SUMMARY

The U.S. Consulate Fukuoka and Overseas Building Operations (OBO) Facility Management has a requirement for a solvent-based elastomeric roof coating and roof related repairs on the existing 950 square foot pedestrian walkway connecting the Consular Office Building (COB) with the Pedestrian Controlled Access Center (PCAC). The walkway structure consists of steel and wood framing with a wood roof deck substrate. The existing roof is composed of a flat asphalt modified bitumen membrane covered with asphalt walk-pads.

1.2. REPAIR PROCESS

The proposed flat roof repair coating includes, but is not limited to, the following:

A. Remove existing asphalt walk-pads
B. Clean/Pressure wash flat roof areas and allow to dry.
C. Perform minor repairs to asphalt modified bitumen membrane seams and patch all holes.
D. Apply one coat primer on all surfaces and allow to dry.
E. Apply first base coat on all surfaces and allow to dry.

F. Apply second base and fabric on all surfaces and allow to dry.
G. Apply two finish coats over all surfaces and allow to dry.

1.3. SUBSTITUTIONS AND PRODUCT OPTIONS

Contractor's Representation: Request for substitution constitutes a representation that

Contractor:

A. Has investigated proposed product and determined that it is equal to or superior in all respects to that specified.
B. Shall coordinate installation of accepted substitution into Work and make such other changes as may be required for Work to be complete in all respects.
C. Waives all claims for additional costs, under his responsibility, related to substitution which subsequently becomes apparent.
D. If substitution is not approved or accepted, Contractor shall furnish specified product.

1.4. QUALITY CONTROL:

A. The Consulate and OBO has the right to inspect and test all services, to the extent practicable at all times and places during the work. OBO may perform full time quality assurance inspections [QAI] and tests during construction to confirm the work is installed according to the Construction Documents.
B. Maintain quality control over suppliers, manufacturers, products, services, site conditions, and workmanship to produce work of specified quality.
C. Contractor shall be approved by manufacturer to perform the work for the specified guarantee period.

1.5. STORAGE OF MATERIALS:

A. Proper storage of materials is the sole responsibility of Contractor. Keep all labels intact and legible, clearly showing the product, manufacturer, and other pertinent information.
B. Store materials on site. Cover and protect materials subject to damage by weather, including during transit. Stored materials shall be available for inspection.
C. Store flammable and volatile liquids in sealed containers located a minimum of 20 feet from existing buildings.
D. Store roll goods in an upright position.
E. Place materials and equipment to be stored on the roof as nearly direct over structural members as can be determined. Secure equipment, material, and debris on the roof to prevent movement by wind or other elements.

1.6. TEMPORARY FACILITIES

1.6.1. Temporary Water

A. Make arrangements with Consulate for water required for construction. Consulate will pay for cost of water.
B. Do not disrupt existing water service to the building.

C. Provide hoses for conveyance.

1.6.2. Temporary Electrical

A. Make arrangements with Consulate for temporary electrical service. Consulate will pay energy charges for temporary power and lighting.
B. Notify Consulate prior to each required interruption of mechanical or electrical services in building.
C. Provide all necessary temporary wiring extensions and temporary lighting devices.

1.6.3. Temporary Ladders, Chutes, Scaffolds, Hoists and Cranes

A. Furnish and maintain temporary ramps, scaffolds, hoists, or chutes as required for proper execution of Work.
B. Provide overhead protection at all building entrances.
C. Restrict debris removal to approved area of building site.
D. Restrict location of construction cranes to areas as approved by Embassy.
E. Such apparatus, equipment, and construction shall meet requirements of applicable local safety and labor laws.

1.7. PROJECT PROCEDURES

A. Consulate will occupy premises during entire period of construction for the conduct of normal, daily operations. Contractor shall conduct their operations so as to ensure least inconvenience to Consulate's operations.
B. Contractor shall take precautions to avoid excessive noise or vibration that would disturb Consulate's operations.
C. The contractor shall identify a Project Site Manager who shall be responsible for the overall management of the project and shall represent the contractor on the site during construction. The Project Site Manager shall speak English.
D. Work shall be performed during regular office hours between 9:00 a.m. and 5:00 p.m. Some work may be carried out during the weekends or after hours as advised by the COR/POSHO. The contractor shall not have access to the building interior except with the permission by the Consulate.

1.8. PROJECT SAFTEY

A. Contractor is responsible for safety and shall comply with all local labor laws, regulations, customs and practices pertaining to labor, safety and similar matters. Contractor shall prepare a Construction Accident Prevention Plan to cover total project safety.
B. The products being used for this roof coating repair give off vapors while curing. Close and seal all doors and windows near and around work area. Close off and seal all HVAC air intake points, goose necks, and vents with duct tape and polyethylene sheeting. Shutting down the HVAC may be necessary during the work so as not to affect the equipment.

1.9. PROJECT SECURITY

A. Personnel Clearances: Labor Background checks will require a minimum of 21 days for clearance.
B. Vehicle Clearances: Submit authorization requests, to include dates, vehicle type, license number, and driver name, for each motorized vehicular implement used on-site.
C. Access to Site: Contractor shall have limited access to or be admitted into the compound outside the areas designated for the project except with permission by the Consulate.

2. PRODUCTS

2.1. SOLVENT-BASED URETHANE ROOF COATING MANUFACTURERS

A. Provide a high-performance base primers, intermediate coatings, and topcoats made of a proprietary blend of solvent-based polymers (SBS, SEBS, PMMA); that are from single source manufacturer. All accessory materials shall be compatible with one another and with the substrate for application.
B. Product Manufacturers which meet the specifications include but are not limited to:
- K.K. Dyflex
- AGC
- Alternate manufacturers shall meet these specifications

2.2. MATERIALS and ACCESSORIES

2.2.1. Finish Topcoat

Single-component high solids polymer elastomer. The coating forms a nonbreathing, high tensile strength and a highly elastic membrane which is designed to provide heat reduction, cold weather flexibility, chemical, weather and water resistance. Brush, roller, or spray grade. Light Gray in color.

A. Zero-1 H Topcoat by K.K. Dyflex
B. Saracenu Topcoat by AGC
C. Physical Properties:
1. Solids by Weight (D1644): 50 ± 2%
2. Solids by Volume (D2697): 37 ± 2%
3. Weight per Gallon: 9.1 lbs.
4. Reflectance (Initial/Aged): 82% / 61%
5. Emittance (Initial/Aged): 0.95 / 0.91

2.2.2. Primer Coat for adhesion to bituminous substrate surfaces.

Single-component high solids polymer–aluminized based stain blocking base coat which dries by evaporation leaving a Non-breathing base coat for asphaltic surfaces. Brush, roller, or spray grade. Silver/gray in color.

A. Zero-1 H Evercoat by K.K. Dyflex
B. Physical Properties:
1. Solids by Weight (D1644): 52 ± 2%
2. Solids by Volume (D2697): 39 ± 2%
3. Weight per Gallon: 9.1 lbs.

2.2.3. Polyester Reinforcing Fabric and Tape

Flexible 100% stitch bond polyester fleece sheet product of high tear strength and elongation and type or composition recommended by manufacturer for embedment of elastomeric coating. White in color. Weight: 0.9 pounds/100 SF. Size: 100mm, 150mm, and 1000mm (40 inch) width rolls.

A. Topester by GAF/Topcoat
B. M600 Polyester Fabric" by MEGA Industries.
C. 3036 Poly-Mat by KARNAK
D. Physical Properties:
    1. Tensile Strength (ASTM D-1682): 57 lbs.
    2. Elongation (ASTM D-1682): 61.5%
    3. Mullen Burst (ASTM D-3786): 175 lbs.

2.2.4. Accessories and Cleaners

Use accessories and cleaners supplied and/or recommended by manufacturer for product installation.

A. Power Washer: minimum 3500 PSI / 250cc gasoline powered engine mounted on wheels with 10-meter hose and adjustable spray pressure nozzle
B. Power Drill & Mixing Paddle: heavy duty for cement, plaster, or paint. Such as Nordstrand PWTPM01 Pro Mixer Stirring Tool; 6 Speed; 1800Watt with 120mm round steel mixing paddle bit.
C. Caulking: Single component, non-sag elastomeric polyurethane sealant, as recommended or supplied by membrane manufacturer for use in making airtight and watertight seals such as Dynatrol I by Pecora Corp., white color.
D. Cleaning Solvent: 100% hydrocarbon for diluting solvent based coating products and cleaning.
E. Mineral Spirits for thinning solvent based coatings
F. Roller Frames and Roller Sleeves; 225mm
G. Brushes; 50mm, 100mm, 150mm widths
H. Membrane Repair Ply: Un-plasticized Polyvinyl Chloride (PVC) Sheet Membrane: ASTM D 4434/D 4434M, Type III, fabric reinforced for UV stable exposure membrane for field heat-wielded applications.
I. Miscellaneous Fasteners: Appropriate for purpose intended, length required for thickness of material. Replacement fasteners may be one size larger in diameter and depth. Select fastener finish metal to be compatible or of same metal as substrate.

3. EXECUTION

3.1. PREPARATION OF SUBSTRATE

A. Contractor shall determine the condition of the existing structural deck/substrate. All defects in the deck or substrate shall be corrected before new solvent-based elastomeric coating commences. Areas of deteriorated deck/substrate, porous or other affected materials must be removed and replaced with new to match existing.
B. Surface preparation is the most critical procedural requirement in paint applied coating systems. Remove all loose particles, delaminated paint,

oil, grease, laitance, efflorescence, mild, mildew and other foreign materials. Areas shall be first scraped, swept clean, and then thoroughly power washed. Use high power adjustable pressure washer with a minimum 150kgf/cm2 mechanical spray device.

C. The contractor is responsible for removing or relocating all existing material and equipment as necessary to access the roof surface including but not limited to pipes, conduits, wiring, pavers, hoists, etc.
D. Each individual container of elastomeric primer and topcoats shall be thoroughly mixed using a heavy-duty drill on slow RPM (Revolutions per Minute) with an elongated mixing paddle bit that will reach the bottom of the container. Coating shall be a uniform color, with no light or dark streaks present.
E. Coatings shall be applied in temperatures of fifty degrees Fahrenheit (50°F / 10°C) or greater.

3.2. BITUMEN SUBSTRATE

A. Repair delaminated or unsound membrane surfaces for preparation of coating application.
B. Small membrane area abrasions, tears and splits shall be torched and toweled smooth. Large holes or tears in the membrane shall be patched with a torch-applied modified bitumen membrane. Overlap existing field and base flashing surfaces a minimum of 150 mm.
C. Fire extinguishers shall be kept on site at all times during torch applied membrane installations.
D. Substrate shall receive a stain-blocking aluminized polymer primer for adhesion to asphalt surfaces.

3.3. THINNING SOLVENT-BASED ELASTOMERIC FOR SPRAY EQUIPMENT

A. Thinning Mix: One quart mineral spirits to 5 gallons solvent-based elastomeric.
    1. Pour 1 gallon from a 5-gallon pail coating into another container. Add one quart mineral spirits to 4 gallons and mix thoroughly. Use an electric drill and mixing paddle. Add portions of the removed 1 gallon and continue to mix until the coating is properly thinned.
    2. Spray-apply thinned elastomeric coating in two coats to meet minimum thickness.
B. Additional Thinning Mix: Maximum two quarts mineral spirits to 5 gallons elastomeric.
    1. Spray-apply thinned elastomeric coating in three coats to meet minimum thickness.
C. DO NOT thin elastomeric coatings for brush or roller applications.

3.4. PRIMER APPLICATION

A. Coverage rate: Apply primer at 0.7–1.4 gallons (2.65-5.30L) per 200 square feet (18 SM)
B. Brush, roll or spray the elastomeric primer evenly onto the surface to fully saturate the substrate in one application with brush or roller; multiple applications with sprayer. DO NOT allow primer to pond or

collect in low areas. Apply primer up to the perimeter roof edge of the flashing terminations and penetrations.

C. Allow standard primer to cure for a minimum of twelve (12) hours before beginning base coats.

D. DO NOT apply base coat over primer prematurely exposed to excessive moisture, primer used as temporary waterproofing, or primer older than eight (8) days. Exposure of the primer more than eight (8) days may require removal and application of new primer.

3.5. FIRST BASE COAT APPLICATION

A. Coverage rate: Apply base at 0.7–1.4 gallons (2.65-5.30L) per 100 square feet. (9 SM)

B. Brush, roll or spray the elastomeric base coat evenly onto the surface to fully saturate the substrate in one application with brush or roller; multiple applications with sprayer. DO NOT allow base to pond or collect in low areas. Apply base coat up to the perimeter roof edge of the flashing terminations and penetrations.

C. Areas observed with residual “bleed” through of prior surfacing causing discoloration shall be re-coated to prevent discoloration.

D. Allow standard base coat to cure for a minimum of four (4) hours before reinforcing fabric embedment into second coat of base coat.

3.6. SECOND BASE COAT APPLICATION and REINFORCING FABRIC EMBEDMENT

A. Coverage rate: Apply base at 0.7–1.4 gallons (2.65-5.30L) per 100 square feet. (9 SM)

B. Reinforcing fabric embedment requires either hand brush or roller application to evenly lay the fabric within the base coat. The base shall be rolled or brushed liberally and evenly onto the surface using a broad, even strokes.

C. The fleece fabric can only hold so much base coat and all excess shall be rolled forward to the unsaturated fleece, eliminating ponding or excessive build-up.

1. Reinforcing Fabric Full Coverage: Roll out polyester fleece with smooth side facing up (natural unrolling procedure) into the primer. The fleece will begin to rapidly saturate with the liquid coating.
2. Use a medium nap roller or brush to work the primer into the fleece, saturating from the bottom up, and eliminating air bubbles, folds and wrinkles.
3. The appearance of the saturated fleece shall be light opaque with no white spots. White spots are indications of unsaturated fleece or lack of adhesion
4. Allow 75mm overlap for all side joints and 100mm overlap for all end joints.

D. Apply final coat of base on top of fleece fabric to finish the saturation of the fleece. Roll this final coating into the fleece, shall result in a semi-gloss appearance.

E. Allow second base to cure for a minimum of twenty-four (24) hours before finish coats.

3.7. FINISH TOPCOAT APPLICATION

A. Coverage rate: Apply finish topcoats at 0.7–1.4 gallons (2.65-5.30L) per 100 square feet (9 SM). Based on first finish coat smooth texture, the second topcoat may be reduced to 0.5 gallons (2.50L) to 100 square feet (9 SM).
B. Brush, roll or spray the elastomeric topcoat evenly onto the surface to fully saturate the primed surfaces in one application with brush or roller; multiple applications with sprayer. DO NOT allow coating to pond or collect in low areas.
C. Apply elastomeric topcoat up to the perimeter roof edge of the flashing terminations and penetrations.
D. Allow to cure for a minimum of twenty-four (24) hours before second finish coat.
E. DO NOT allow any excess coating to remain on the surface, the correct amount of coating will leave no fibrous surface texture from the fleece fabric. The final coating should be smooth, uniform, and light gray.
F. Dry finish (1 prime coat + 2 base coats + 2 topcoats) thickness: 48 mils.

3.8. ROOF DRAINS

Replace (5) drains on roof surface. Remove existing bitumen and lead material currently used to form the drain pan and connect to the drainpipe. Repair any damage to wood structure underneath the roofing material. Rebuild the connection to the drainpipe using new lead material designed for this application. Replace bitumen substrate as needed per Section 3.4. Ensure a seamless application of roof coating following the instructions in Section 3.3. to 3.9. All coatings should seamlessly extend down to the top of the drainage pipe. Contractor will install new cast iron roof drain strainers.

3.9. METAL COPING

The metal coping on the lip wall shall be removed, and surface preparation and coating following the procedures in sections 3.2-3.6 will be applied in a continuous, smooth fashion to the from the horizontal surface of the roof, up the vertical surface of the lip wall, and end at the top of the lip wall.

3.9.1. Metal Coping Material

Minimum 0.635 (24 gauge) pre-finished galvanized steel formed in maximum 3m lengths. Fabricate interior and exterior corners from one continuous piece using .7m minimum legs. Lap, rivet, and seal prior to installation. Form 38mm drip with 16mm return at 30-degree angle with vertical wall at bottom end of fascia. Material color will match existing structural colors. Contractor to submit coping shop drawings.

3.9.2. Metal Coping Installation

Install new wood block to provide coping attachment substrate to have a resulting positive slope (minimum 6mm per foot) toward roof. Install wood blocking on the interior vertical wall to provide a chase way with adequate space for conduit to run to the two spotlights mounted on the roof (see Figure 3 Conduit Installation Under New Metal Coping). Adhere underlayment or membrane over the wood block extending a

minimum of 25mm below top. Lock metal coping onto exterior continuous steel (22 gauge) cleat and install appropriate fasteners through the interior fascia spaced 600mm on-center. No fasteners that penetrate the coping will be installed in any horizontal surfaces. Install new plastic bird spikes on the top of the new metal coping in the same locations as currently installed.

3.10. CONDUIT REPLACEMENT

3.10.1. New Ceiling Light Junction Box

Contractor will move the existing junction box located on the roof surface to a new junction box mounted on the vertical pillar of the Consulate building. COR will designate exact location. Use the existing conduit and wire from the breaker box to the new junction box.

3.10.2. Walkway Ceiling Light Conduit

Contractor will remove the existing conduit connecting all 5 ceiling lamps from the roof surface, fascia, and ceiling. From the new junction box installed in above, run conduit and wire to each of the ceiling lamps, either on the outside of the roof fascia or underneath on the ceiling of the walkway. The COR will designate the exact location of where the conduit will be installed. The contractor will use outdoor grade conduit and wiring that meets or exceeds local wiring code. The conduit will match the existing color of the wood ceiling. Conduit will lay flat on all surfaces and will be installed so as to minimize visibility. Contractor will check all ceiling lamps for rust inside the lamp base; any rusted lamps will be replaced with lamps that match the existing lights. All material must be approved by COR before installation.

3.10.3. Spotlight Conduit

From the new junction box installed in 3.10.1, run new wire and conduit to the two spotlights mounted on the walkway roof. Conduit and wire will be outdoor grade that meets or exceeds local wiring code requirements for this type of installation. Conduit will be installed into the space created as described in above. Contractor shall re-seal the spotlight boxes to make them watertight.

3.11. FIELD QUALITY CONTROL

The Consulate or OBO may direct Contractor to stop applying coatings if results show materials being used do not comply with specified requirements or coating materials and accessories are not compatible. Contractor shall remove noncomplying coating materials from site, pay for testing, and recoat surfaces.

3.12. CLEANING AND ADJUSTING

A. After completing coating application, clean spattered surfaces. Remove spattered coatings by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.

B. During progress of work, remove discarded paint materials, rubbish, cans, and rags from site at end of each workday. Thoroughly mixed and cured coating products may be disposed of in standard landfills. Uncured products are considered a hazardous material and must be handled as such and disposed in accordance with local regulations.
C. Contractor is responsible for reinstalling all disconnected equipment after the completion of coating works to include but not limited to resetting rooftop equipment on protective pads, reconnecting pipes, conduit, wiring, hoists, placing the relocated/removed pavers back to their original position, etc.
D. Reactivation of the equipment to its original condition shall be provided by Contractor.
E. Correct any damage by cleaning, repairing or replacing, and painting as acceptable to the Consulate.

4. PART FOUR – SCHEDULE

Schedule can be accelerated with COR approval.

4.1. Pre-Proposal Site Visit
See “Section J.3 52.236-27 SITE VISIT” of RFQ
4.2. Pre-Construction Submittals
Due per “Section E.8 DELIVERABLES” of RFQ
4.3. OBO & Consulate Approval
10 days after pre-construction submittals
4.4. Mobilization & Construction
Procure material: Due no later than 20 business days after Approval in 4.3
Repair Roof Area: 10 business days (may work weekends and holidays as approved)
Final Cleanup Begins: 2 days prior to completion
4.5. Total Days On-site
10 business days from Approval in 4.3
4.6. Total Period of Performance
54 business days from Award
4.7. Winter/Rainy Season
December to April

5. PART FIVE – PHOTOS

Figure 1 Site Plan

Figure 2 Roof Surface, Conduit and Lip Wall

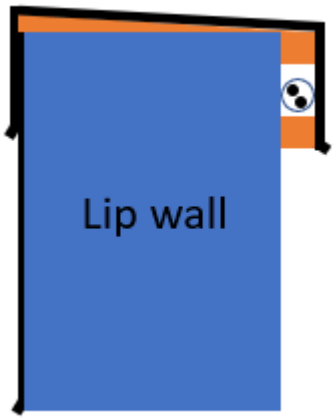

Figure 3 Conduit Installation Under New Metal Coping